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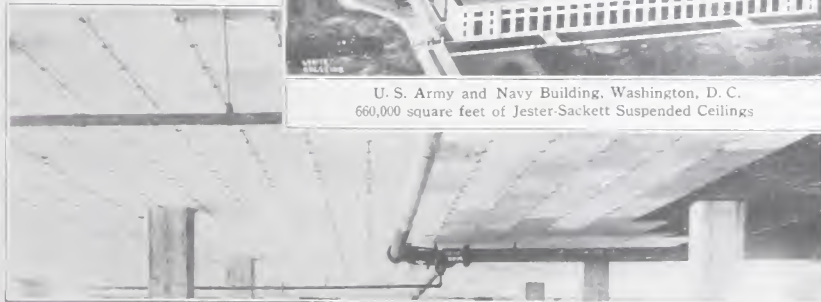
# JESTER-SACKETT System - For Suspended Ceilings - "An Improved Economical Construction"



Interior U. S. Army and Navy Bldg. showing channels in place ready for Sackett Plaster Board to be clipped on



U. S. Army and Navy Building, Washington, D. C.  
660,000 square feet of Jester-Sackett Suspended Ceilings



Same interior showing Jester-Sackett suspended ceiling applied, ready for plaster  
Photographs published by permission of the Navy Department

**UNITED STATES GYPSUM COMPANY**

"World's Largest Producers of Gypsum Products"

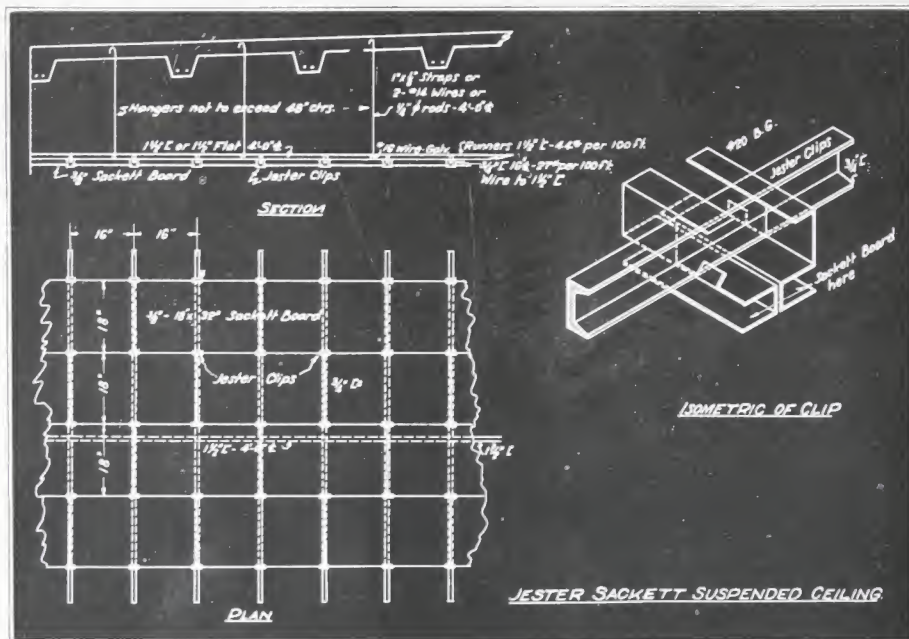
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## JESTER-SACKETT SUSPENDED CEILING

The Jester-Sackett method of incombustible Suspended Ceiling is a decided improvement over the more expensive metal lath construction.

Its simplicity and rapidity of erection is of special interest to architects, contractors and owners.



Working Details of JESTER-SACKETT Suspended Ceiling Construction

**DESCRIPTION:**—Sackett Plaster Boards are composed of three layers of pure gypsum and four layers of felt, placed alternately, forming tough, fire-resistive, uniform sheets. These boards are  $\frac{3}{4}$ " thick, 18" x 32" in surface measurement, and are clipped to  $\frac{3}{4}$ " channel irons placed 16" on centers and suspended from ceiling by suitable hangers.

**SMOOTH, EVEN PLASTER SURFACE:**—This method of construction secures a smooth, even plastering surface, saving approximately one-half the plaster required for metal lath construction. Usually two coats of plaster are sufficient. All rust stains are eliminated because no wet plaster comes in contact with the metal to cause corrosion.

16.05 LBS. PER SQ. INCH TO PULL GYPSUM PLASTER FROM SACKETT BOARD



In order to demonstrate the bonding strength between Sackett Plaster Board and Gypsum Plaster, samples of the Board 4x5 inches were plastered with commercial gypsum sanded plaster, the thickness of the plaster coat being  $\frac{1}{2}$  inch and the size of the plaster panel approximately 2 1/2 x 3 1/2 inches. Metal staples were embedded in the plaster coat as illustrated. To these staples was suspended a platform upon which a load was applied and gradually increased until rupture took place. In the tests conducted, the average load required to produce a parting of Plaster and Board was 145 pounds, or 16.05 pounds per sq. in.



Main Office of the Portland Gas and Coke Co., Gasco Bldg., Portland, Oregon



Realto Billard Parlors, Portland, Oregon.—10,000 Sq. Feet Suspended Ceilings. Architects, Sutter and Whitney. Contractors, Bingham and McClelland

Gasco Building, Portland Oregon  
74,000 Sq. Feet Jester-Sackett Ceilings  
Archts., Whidden & Lewis. Contr., Hurley Mason Co.

## Be Sure It's Sackett



Sackett is the only plaster board composed of four sheets of felt alternating with three layers of gypsum. These alternate layers give the necessary flexibility; also prevent too rapid absorption during plastering. The felt has good tensile strength, does not contract, and the Sackett and plaster become one solid mass of gypsum. Note the felt-protected edges, another exclusive Sackett feature.

## This Shows Why

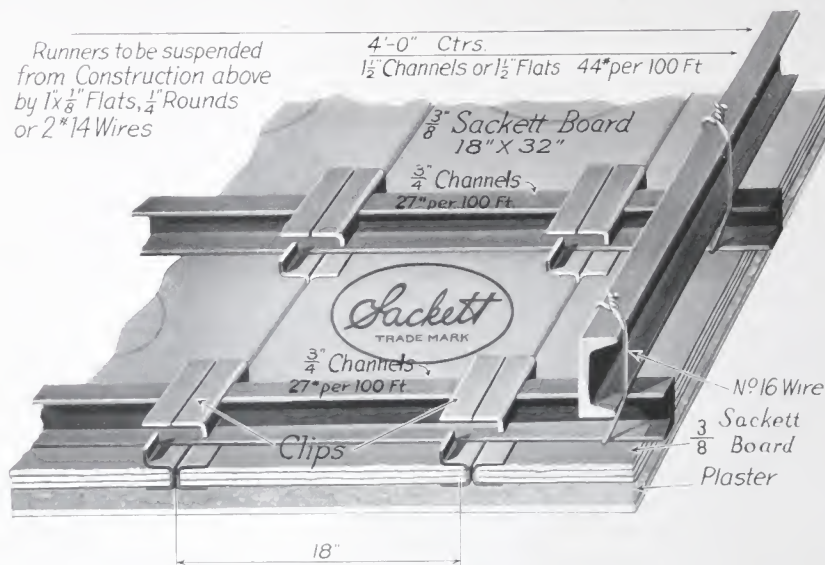


↑ Pure Calcined Gypsum ↑  
↑ Outside layers of fibrous binding material and surfaces for plastering ↑

Cross Section of "Sackett" magnified 200 diameters, showing impregnation of felt by gypsum. The long, interwoven fibres afford the same ideal bond for the plaster as for the gypsum layer that is interposed during manufacture. One hundred and forty-five pounds straight pull was required to separate a  $2\frac{1}{4}' \times 3\frac{1}{2}'$  panel.

**RAPIDLY ERECTED:**—Jester Sackett Suspended Ceiling System is economical in first cost and is erected and plastered with maximum speed. Less plaster being required, the ceiling takes less time for drying as well as less labor and time in plastering.

**TRANSMISSION OF SOUND MINIMIZED:**—Tests prove conclusively that Sackett Plaster Board transmits less sound than any other system of similar construction. Other things being equal, in a building whose ceiling is constructed with Jester-Sackett, less sound will be transmitted from room to room over existing partitions.



Detail of Jester-Sackett Suspended Ceiling

### SPECIFICATIONS FOR JESTER-SACKETT SUSPENDED CEILINGS

All ceilings where indicated to be suspended, shall be formed of SACKETT Plaster Board with the Jester Ceiling Clips. Boards to be  $\frac{3}{8}$ " SACKETT, 18" x 32" in size, attached by means of Jester Clips to  $\frac{3}{4}$ " standard or Sharon channels spaced 16" on centers. These  $\frac{3}{4}$ " channels to be attached by means of No. 16 tie wire to  $1\frac{1}{2}$ " channels spaced 4 feet apart, which latter are to be suspended from the construction above by  $1 \times \frac{1}{8}$ " flat iron straps, or  $\frac{1}{4}$ " round rods or two No. 14 galvanized wires, not to exceed 4 feet on centers, bent around them and wired securely.

Hangers are to be provided by this contractor, but will be set in concrete by the mason contractor.

### SPECIFICATIONS FOR PLASTERING

**PLASTER:**—To be United States Gypsum Co.'s Gypsum Wood Fibre, Cement or Prepared Plaster, mixed and applied according to manufacturer's directions.

**SACKETT Plaster Board** must *not be wet* before applying plaster. Apply scratch coat and allow to dry. Second coat to be brought out to grounds to receive finish coat. Make all angles and corners flush and straight.

**FINISH:**—To be United States Gypsum Co.'s Prepared Trowel Finish or Sand Float Finish, mixed and applied according to manufacturer's directions.

Estimates on Jester-Sackett System erected in place ready for plastering will be gladly furnished.

## UNITED STATES GYPSUM CO.

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